

Fig. 1

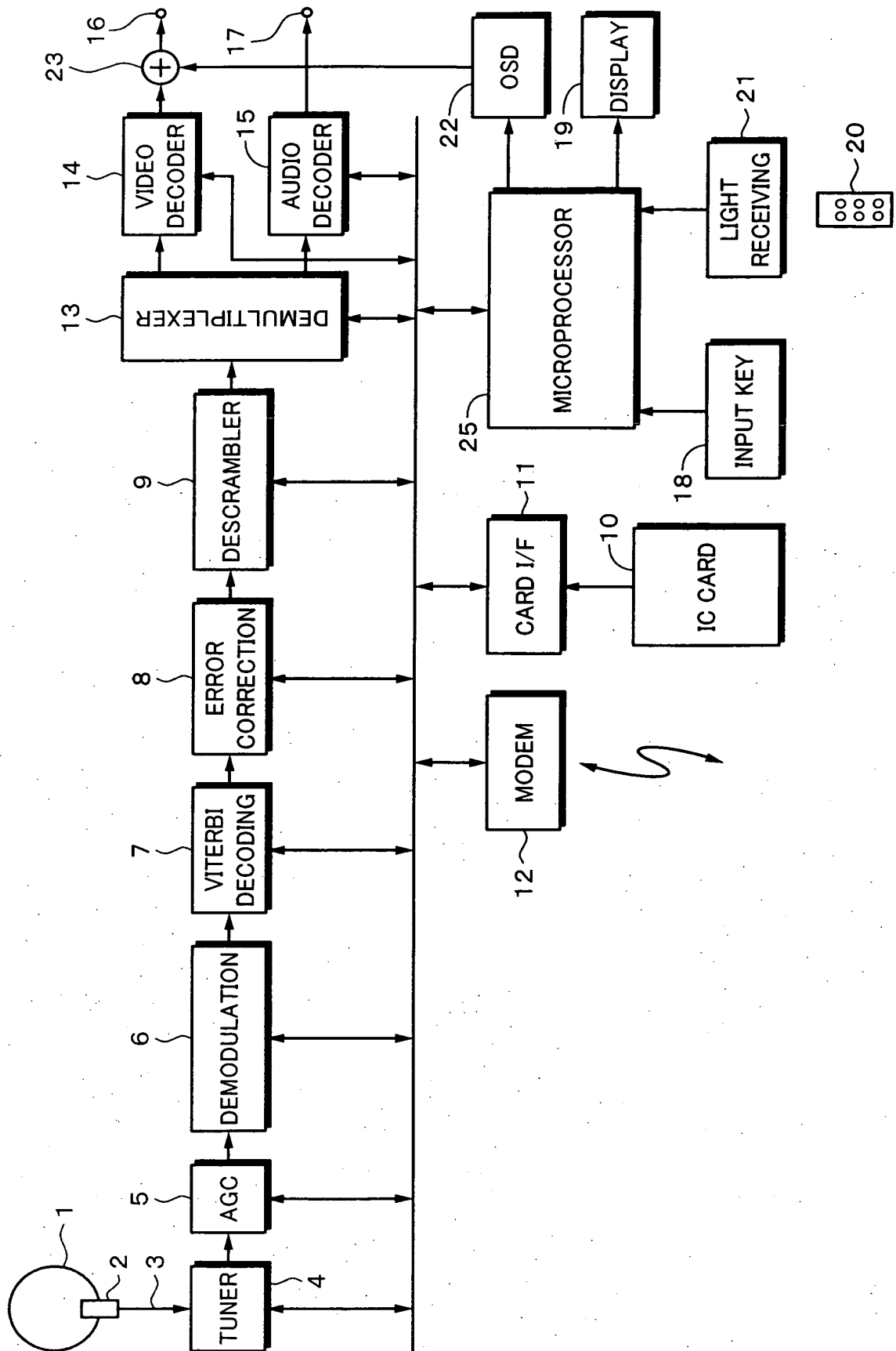
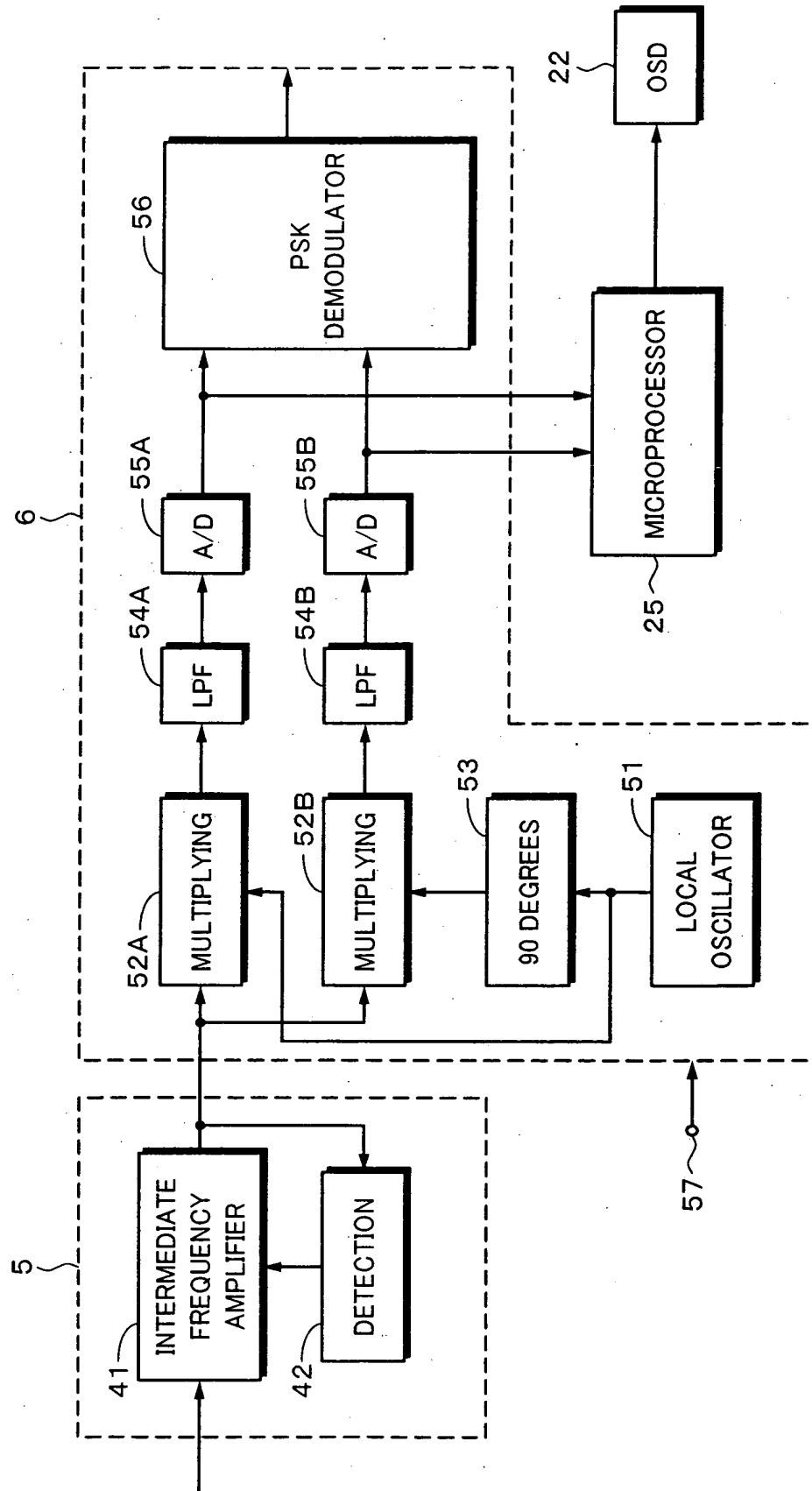
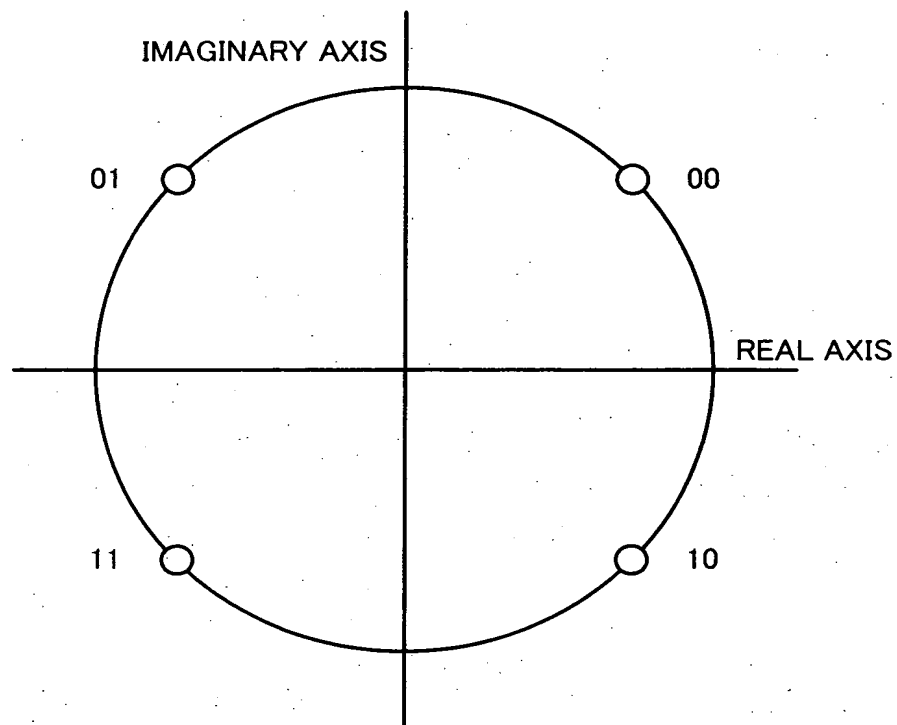
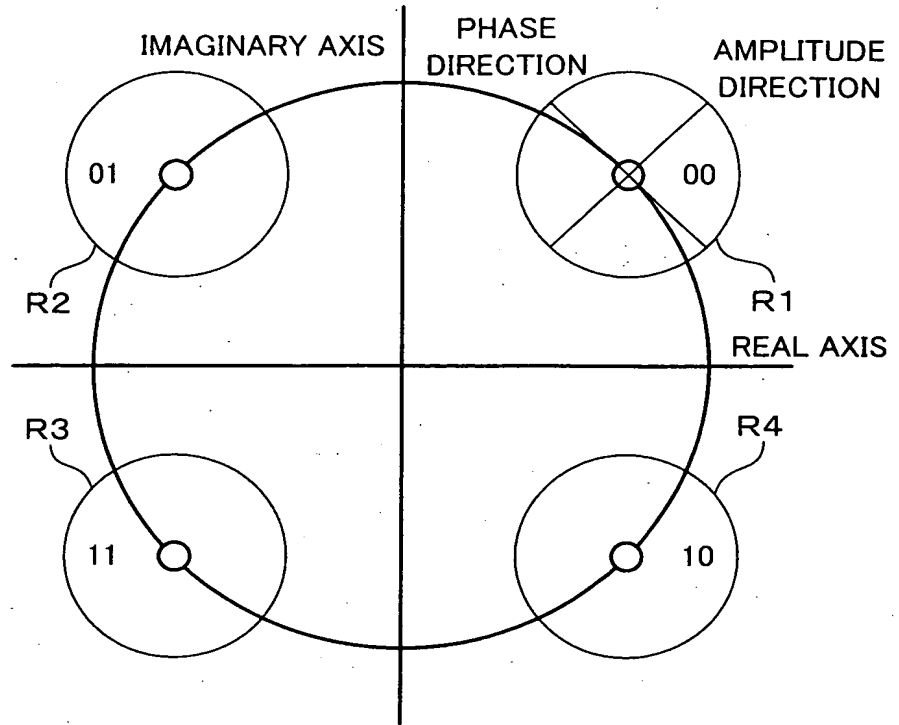


Fig. 2

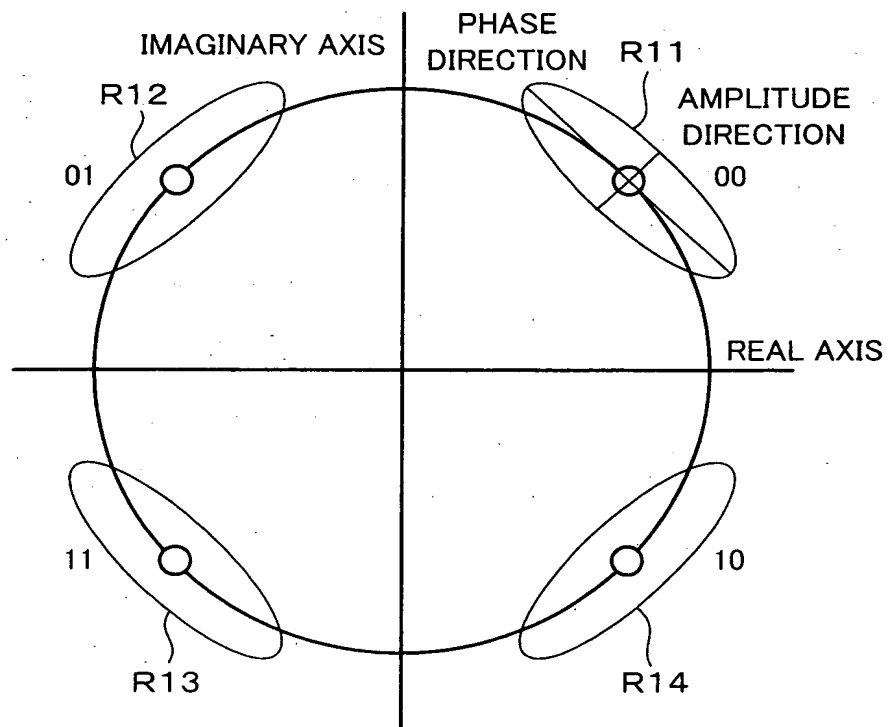


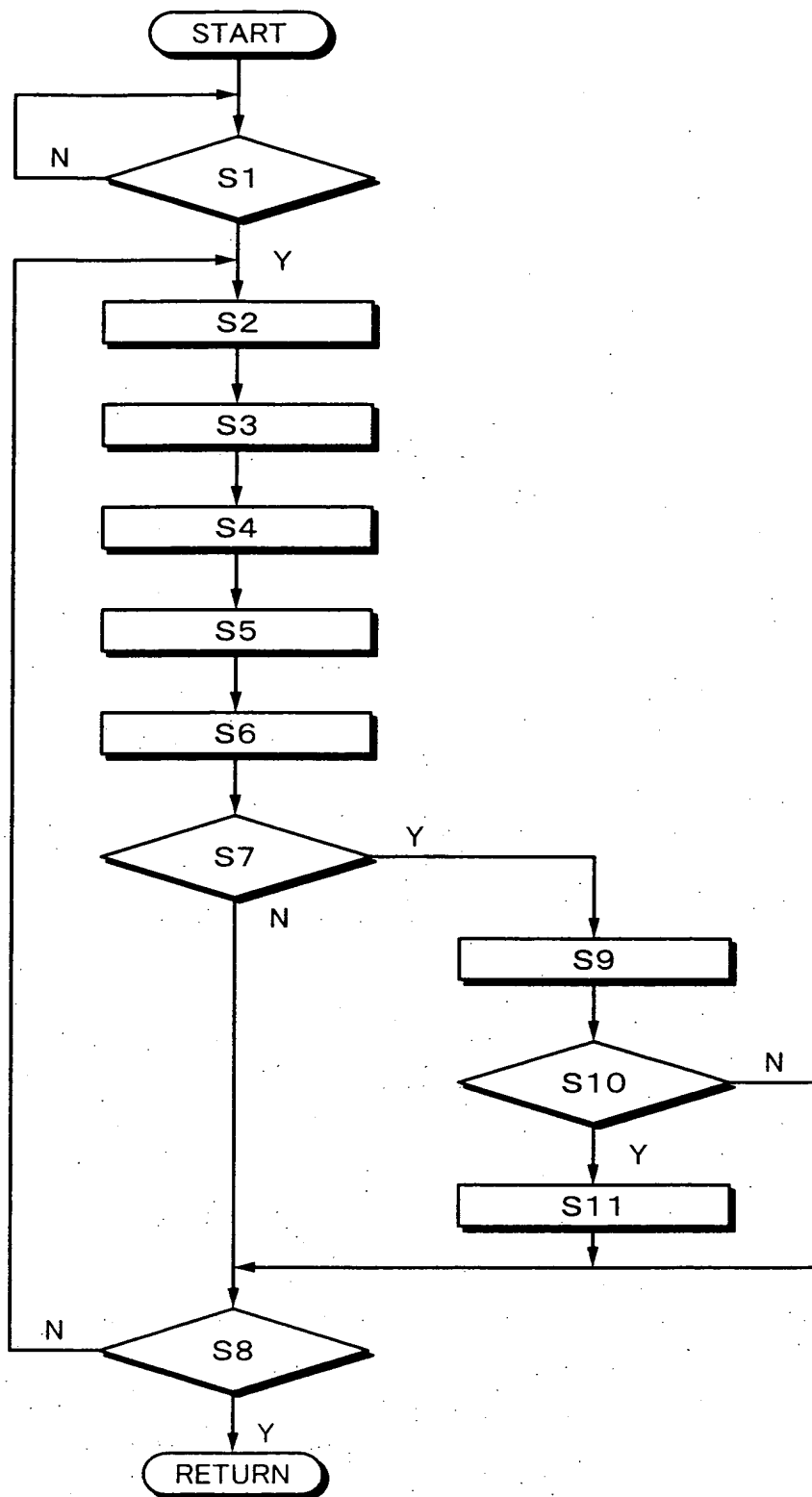
**Fig. 3**

**Fig. 4A**

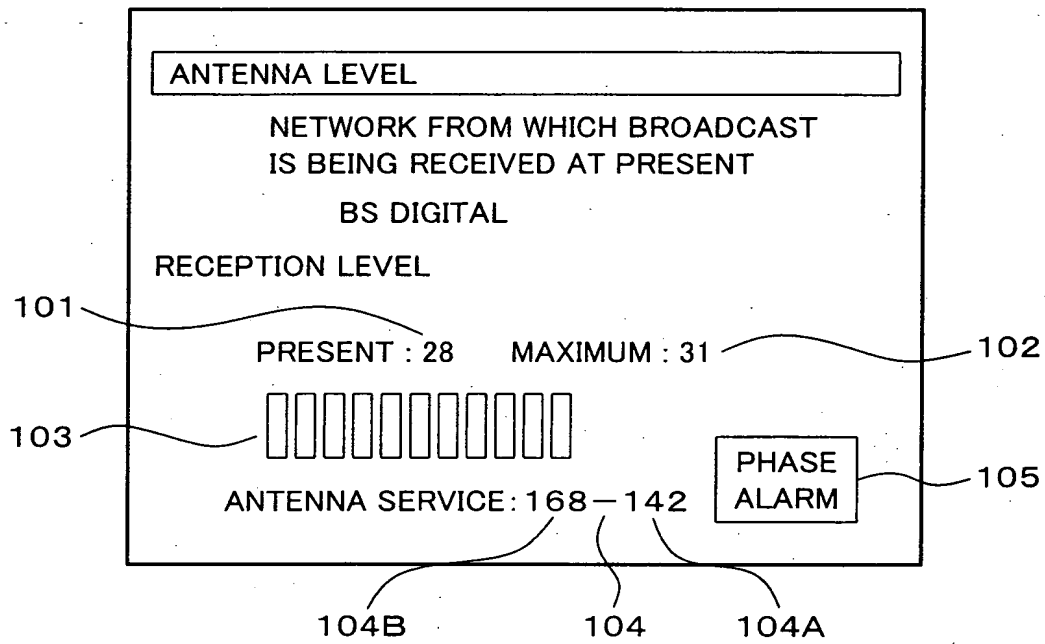


**Fig. 4B**



**Fig. 5**

**Fig. 6**



## DESCRIPTION OF REFERENCE NUMERALS

1	PARABOLA ANTENNA
2	LNB
4	TUNER CIRCUIT
5	AGC CIRCUIT
6	DEMODULATION CIRCUIT
22	OSD CIRCUIT
25	MICROPROCESSOR
52A, 52B	MULTIPLYING DEVICE
56	PSK DEMODULATION CIRCUIT
101	INDICATOR THAT INDICATES PRESENT RECEPTION LEVEL
102	INDICATOR THAT INDICATES MAXIMUM VALUE OF RECEPTION LEVELS THAT HAVE TAKEN PLACE UNTIL NOW
103	BAR INDICATOR THAT INDICATES RECEPTION LEVEL
104	INDICATOR THAT INDICATES ANTENNA SERVICE
105	ALARM INDICATOR THAT INDICATES PHASE NOISE AND PARASITIC OSCILLATION
S1	ANTENNA LEVEL INDICATION MODE
S2	RECEIVE SATELLITE BROADCAST.
S3	DETECT AMPLITUDES IN AMPLITUDE DIRECTION OF SIGNAL POINTS AND AMPLITUDES IN PHASE DIRECTION OF SIGNAL POINTS.
S4	CALCULATE CN_R AND CN_I.
S5	INDICATE CN RATIOS ON SCREEN.
S6	COMPARE CN_R WITH CN_I AND DETECT PHASE NOISE AND PARASITIC OSCILLATION.

- S7 DO PHASE NOISE AND PARASITIC OSCILLATION TAKE PLACE ?
- S8 HAS ANTENNA LEVEL INDICATION MODE BEEN TURNED OFF ?
- S9 INDICATE ALARM REPRESENTING THAT PHASE NOISE AND PARASITIC  
OSCILLATION TAKE PLACE.
- S10 DETERMINE WHETHER TO COMPENSATE PHASE.
- S11 COMPENSATE PHASE.